STIC

Scientific & Technical Information Center

Search Report
EIC 2800

To: BRIJ SHRIVASTAV
Location: JEF-10D25
Art Unit: 2831
Wednesday, August 20, 2008

Case Serial Number: 10/598673

From: RAJ PATEL
Location: EIC2800
JEF-4A58
Phone: (571)272-6231

raj.patel@uspto.gov

Search Notes

RE: MRI having an Active Shielding device driven by electrical current

Attached are the search histories and the edited search results from the following databases:
-STN – Patent citation Index (PCI); WPIX, JAPIO, INPADOC & INSPEC
-EAST – Abstracted databases (DERWENT, EPO, JPO & IBM_TDB)

The attached documents may include references that disclose MRI having a shielding device driven by electrical current.
A copy of the International Search report and the written opinion of the International searching authority is also included.

Please see at least the tagged items, including JP 07194568; JP 05007567; US 4733189 and the written opinion of the international searching authority.
I recommend that you review all the attached documents.

If you like more searching on this case or have comments or questions, please feel free to let me know.

Best Regards,
Raj.

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Resources Administration

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Histories
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Sheet

FILE 'PCI' ENTERED AT 16:14:08 ON 19 AUG 2008

L1   1 SEA EP 587423/PN
L2   SEL L1 1- PN :   4 TERMS
L3   39 SEA L2/PN.D

   FILE 'STNGUIDE' ENTERED AT 16:16:38 ON 19 AUG 2008

   FILE 'PCI' ENTERED AT 16:19:55 ON 19 AUG 2008
L4   1 SEA US 5576623/PN
L5   SEL L4 1- PN :   4 TERMS
L6   5 SEA L5/PN.D

   FILE 'STNGUIDE' ENTERED AT 16:19:57 ON 19 AUG 2008

   FILE 'PCI' ENTERED AT 16:20:51 ON 19 AUG 2008
L7   1 SEA DE 4139420/PN
L8   SEL L7 1- PN :   1 TERM
L9   4 SEA L8/PN.D

   FILE 'STNGUIDE' ENTERED AT 16:20:52 ON 19 AUG 2008

   FILE 'PCI' ENTERED AT 16:22:23 ON 19 AUG 2008
L10   1 SEA WO 9314414/PN
L11   SEL L10 1- PN :   4 TERMS
L12   . 4 SEA L11/PN.D

   FILE 'STNGUIDE' ENTERED AT 16:22:25 ON 19 AUG 2008

   FILE 'PCI' ENTERED AT 16:23:24 ON 19 AUG 2008
L13   1 SEA US 5990680/PN
L14   SEL L13 1- PN :·   9 TERMS
L15   15 SEA L14/PN.D

   FILE 'STNGUIDE' ENTERED AT 16:23:26 ON 19 AUG 2008

   FILE 'PCI' ENTERED AT 16:26:34 ON 19 AUG 2008
L16   62 SEA (L3 OR L6 OR L9 OR L12 OR L15)

L17   SEL L16 1- PRN :   68 TERMS

   FILE 'WPIX, JAPIO' ENTERED AT 16:27:15 ON 19 AUG 2008
L18   88 SEA L17

   FILE 'STNGUIDE' ENTERED AT 16:28:12 ON 19 AUG 2008

   FILE 'WPIX, JAPIO' ENTERED AT 16:32:03 ON 19 AUG 2008

L19   55 SEA L18 AND (CURRENT OR CURRENTS OR ELECTRIC##### OR ELECTRIF##
       ### OR POWER OR AMMETER## OR AC OR DC OR AMP OR AMPERE## OR
       VOLTAGE## OR DYNAMO######### OR CAPACITOR### OR RESISTANCE OR
       RESISTOR##)

L20   34 SEA L19 AND (SHIELD##### OR GUARD#### OR SCREEN##### OR
       SHEATH#### OR COVER##### OR SKIRT#####)

L21   20 SEA L18 AND (SHIELD##### OR GUARD#### OR SCREEN##### OR
       SHEATH#### OR COVER##### OR SKIRT#####)(5A)(CURRENT OR
       CURRENTS OR ELECTRIC##### OR ELECTRIF##### OR POWER OR
       AMMETER## OR AC OR DC OR AMP OR AMPERE## OR VOLTAGE## OR
       DYNAMO######## OR CAPACITOR### OR RESISTANCE OR RESISTOR##)

L22   11 SEA L21 NOT 2005-2008/PY,PRY

L23   21 SEA L20 NOT 2005-2008/PY,PRY

L24   10 SEA L23 NOT L22

   FILE 'STNGUIDE' ENTERED AT 16:40:30 ON 19 AUG 2008

   FILE 'WPIX, JAPIO' ENTERED AT 16:42:42 ON 19 AUG 2008
       D L22 BIB AB KWIC 1-11

   FILE 'STNGUIDE' ENTERED AT 16:43:03 ON 19 AUG 2008

   FILE 'WPIX, JAPIO' ENTERED AT 16:53:03 ON 19 AUG 2008
       D L24 BIB AB KWIC 1-10

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```
        FILE 'INPADOCDB' ENTERED AT 10:32:20 ON 20 AUG 2008
L117          0 SEA ABB=ON   PLU=ON   (JP07194568? OR JP05007567?)/REP
L118          0 SEA ABB=ON   PLU=ON   (JP07194568? OR JP05007567?)/REN
L119          1 SEA ABB=ON   PLU=ON   (JP07194568? OR JP05007567?)/RPN
L120          0 SEA ABB=ON   PLU=ON   (JP7194568 OR JP5007567)/RPN
L121          1 SEA ABB=ON   PLU=ON   (JP07194568 OR JP05007567)/RPN
L122          1 SEA ABB=ON   PLU=ON   L119 OR L120
L123          1 SEA ABB=ON   PLU=ON   L119 OR L121

        FILE 'STNGUIDE' ENTERED AT 10:34:38 ON 20 AUG 2008

        FILE 'INSPEC, MEDLINE' ENTERED AT 10:35:31 ON 20 AUG 2008
L124          7 SEA ABB=ON   PLU=ON   ACTIVE##(2A) SHIELD#####(5A)(ELECTRIC######
                # OR ELECTRIF#######)
L125          7 DUP REM L124 (0 DUPLICATES REMOVED)
```

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	"20070182516"	US-PGPUB; USPAT; DERWENT	OR	ON	2008/08/20 09:19
S2	1	2005-702798.NRAN.	DERWENT	OR	OFF	2008/08/15 15:28
S4	3	"9314414"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2008/08/18 11:01
S5	2	"5576623".pn.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2008/08/18 12:08
S6	1	1996-069689.NRAN.	DERWENT	OR	OFF	2008/08/18 11:05
S8	2	"5990680".pn.	USPAT; DERWENT	OR	OFF	2008/08/18 11:05
S9	1	1996-465166.NRAN.	DERWENT	OR	OFF	2008/08/18 11:06
S10	36	nicolaas near2 roozen	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 12:09
S12	15	(nicolaas near2 roozen) and shield$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 12:13
S13	11	(nicolaas near2 roozen) and shield$4 and current$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/18 12:13
S14	16	("6100692" "7276906" "6326788" "6049207" "6236203" "5900794" "7230426" "6078177").pn.	US-PGPUB; USPAT; DERWENT	OR	ON	2008/08/19 15:03
S16	15	S14 and (shield$4 near5 (Current$2 or electri$5))	US-PGPUB; USPAT; DERWENT	OR	ON	2008/08/19 15:04

EAST Search History

S17	133123	(shield$4 or guard$4 or screen$4 or sheath$4 or cover$4 or skirt$4) near5 (current or currents or electric$5 or electrif$5 or power or (Plug$3 near3 (in or connect$4)) or ammeter or AC or DC or amp or ampere$2 or voltage$3 or dynamo$5 or capacitor$3 or resistance or resistor$3)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/20 09:25
S18	7961	(shield$4 or guard$4 or screen$4 or sheath$4 or cover$4 or skirt$4) near5 (current or currents or electric$5 or electrif$5 or power or (Plug$3 near3 (in or connect$4)) or ammeter or AC or DC or amp or ampere$2 or voltage$3 or dynamo$5 or capacitor$3 or resistance or resistor$3) near5 (drive$2 or driving or control$4 or run or running)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/20 09:27
S19	98235	(MRI or (magnet$5 near2 resona$5) or ((MR or (M adj R)) near2 imag$4) or ((magnet$4 or parallel) near2 imag$4) or NMR or (nuclear near2 (magnet$4 or resona$5)) or FTNMR or FTMRI or magnetoresona$5 or PMR or (paramagnet$4 near2 resona$4) or (magnet$6 near2 relax$5) or (ferromagnet$4 near2 resona$4) or MRS or MRSI or MRA or CSI or (chemical near1 shift$3 near1 imag$5) or EPR or (electron near1 paramagnetic near1 resonance) or FMRI or (function$4 near2 imag$4) or ESR or (electron near2 resona$5) or (spin near2 resona$5) or NQR)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/20 09:28
S20	24486	(S01-E02A2 or S03-E07A or S05-D02B2 or S01-E02A1 or S05-D02B2 or S01-E02A8A or S03-E07 or V02-F01G or S03-E07 or S03-E07C or S03-C02F3 or S03-C02F1 or S05-D02B1 or V02-F01G or U11-D02C or X25-V or X12-C02A3A or X12-C05 or X12-C05A or V04-T03B3 or V04-T03H)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/20 09:28

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EAST Search History

S21	107218	S19 or S20	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/20 09:28
S22	64	S18 and S21	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/20 11:32
S23	1127	S17 and S21	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/20 10:12